

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: INVUE

Report Number: P553722

Luminaire Tested: **LXS-VA2-730-U-AST-A**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553722  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA2-730-U-AST-A  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE IV OPTIC, ARM MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4607 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

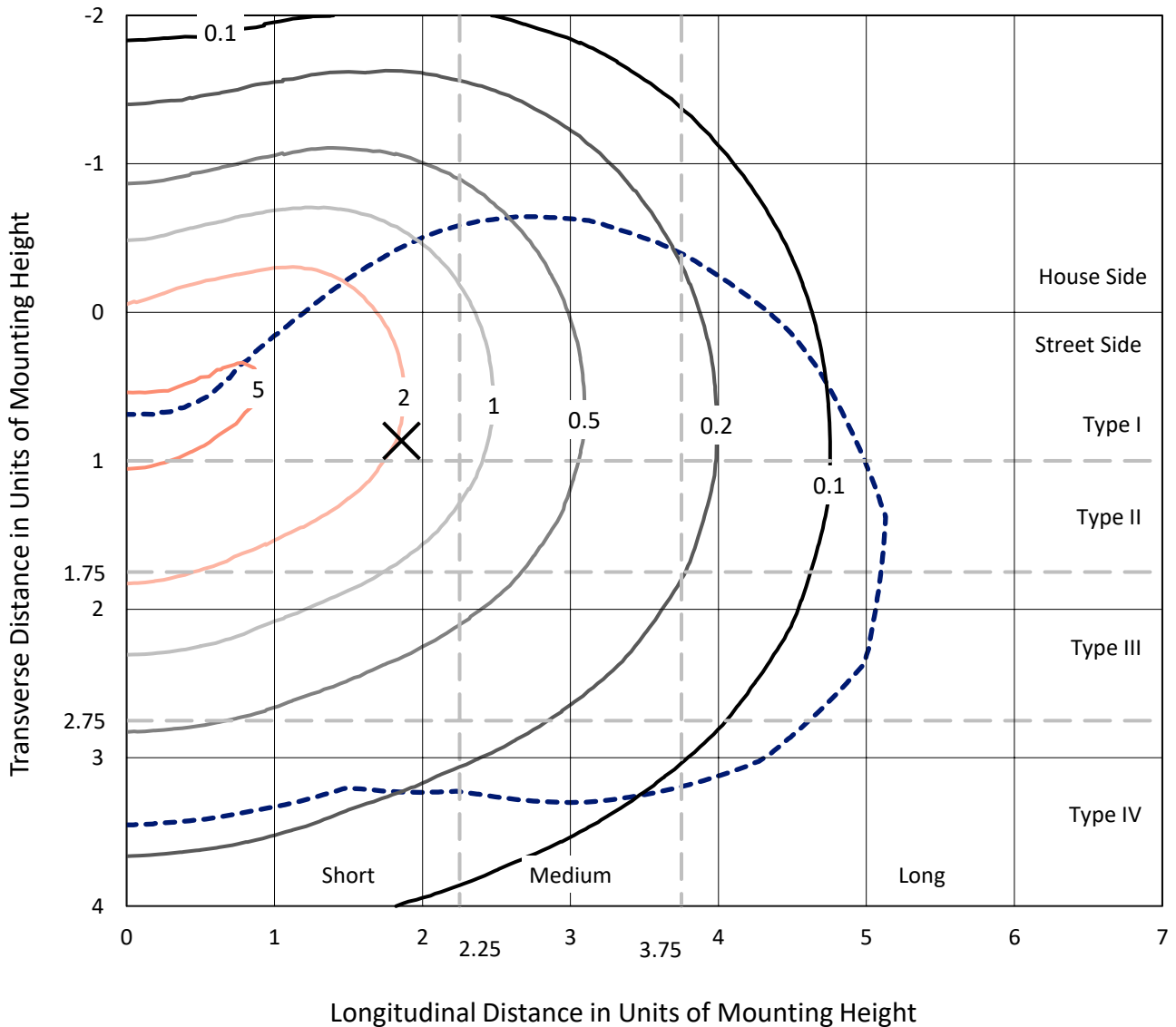
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

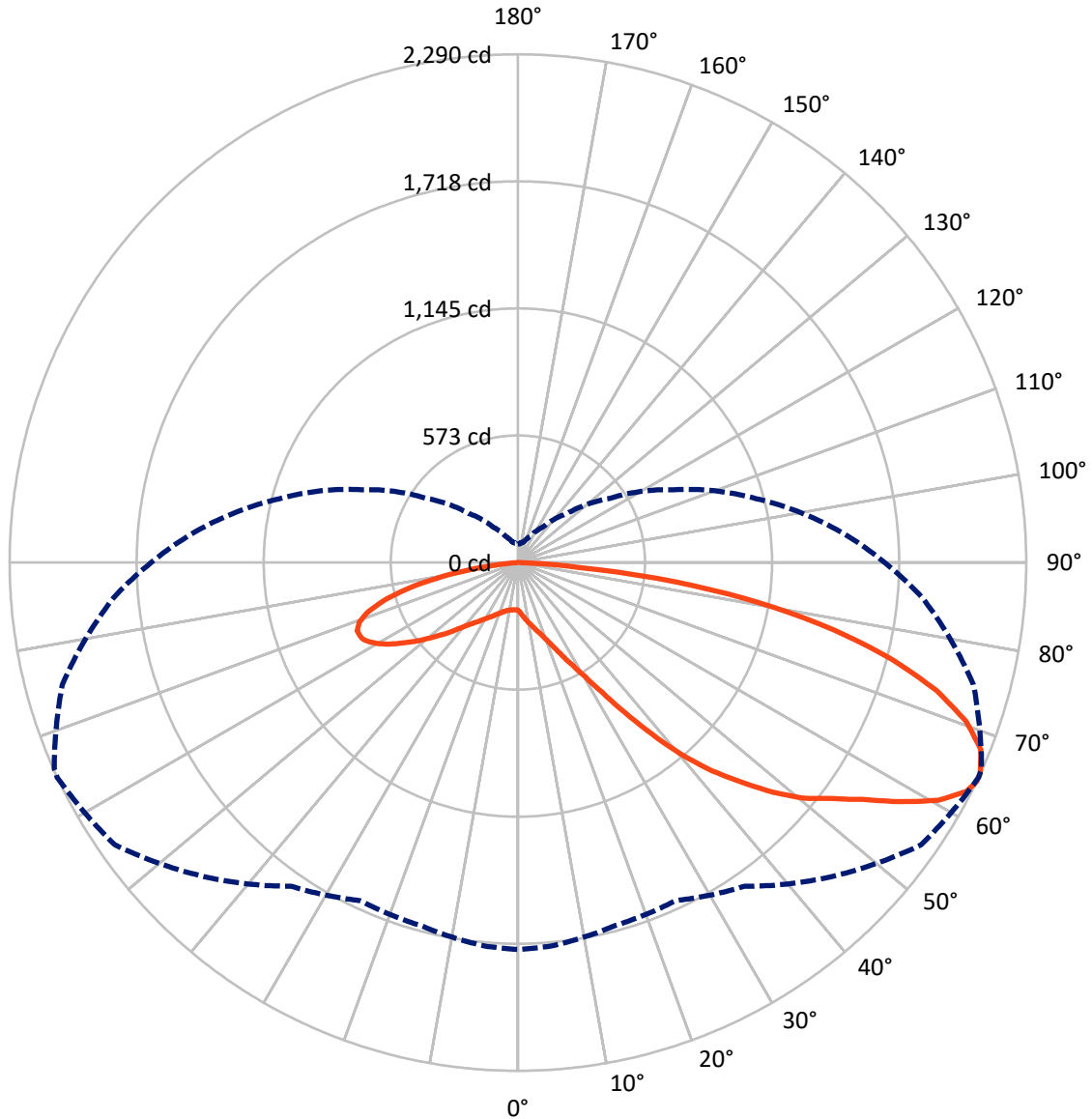
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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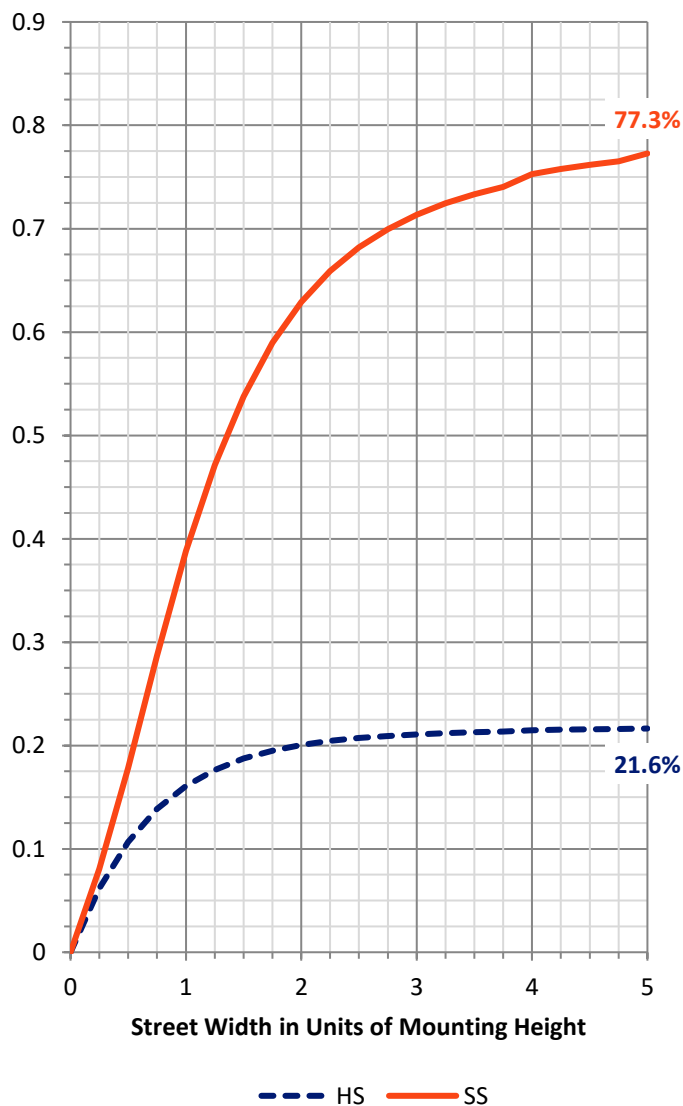
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1000.3	0.0	1000.3
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	3606.7	0.0	3606.7
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	4607.0	0.0	4607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.2	0.5
10°-20°	77.0	1.7
20°-30°	170.6	3.7
30°-40°	378.3	8.2
40°-50°	671.0	14.6
50°-60°	980.4	21.3
60°-70°	1186.3	25.7
70°-80°	914.2	19.8
80°-90°	207.0	4.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4607.0	100.0
0°-180°	4607.0	100.0

**Coefficient of Utilization**



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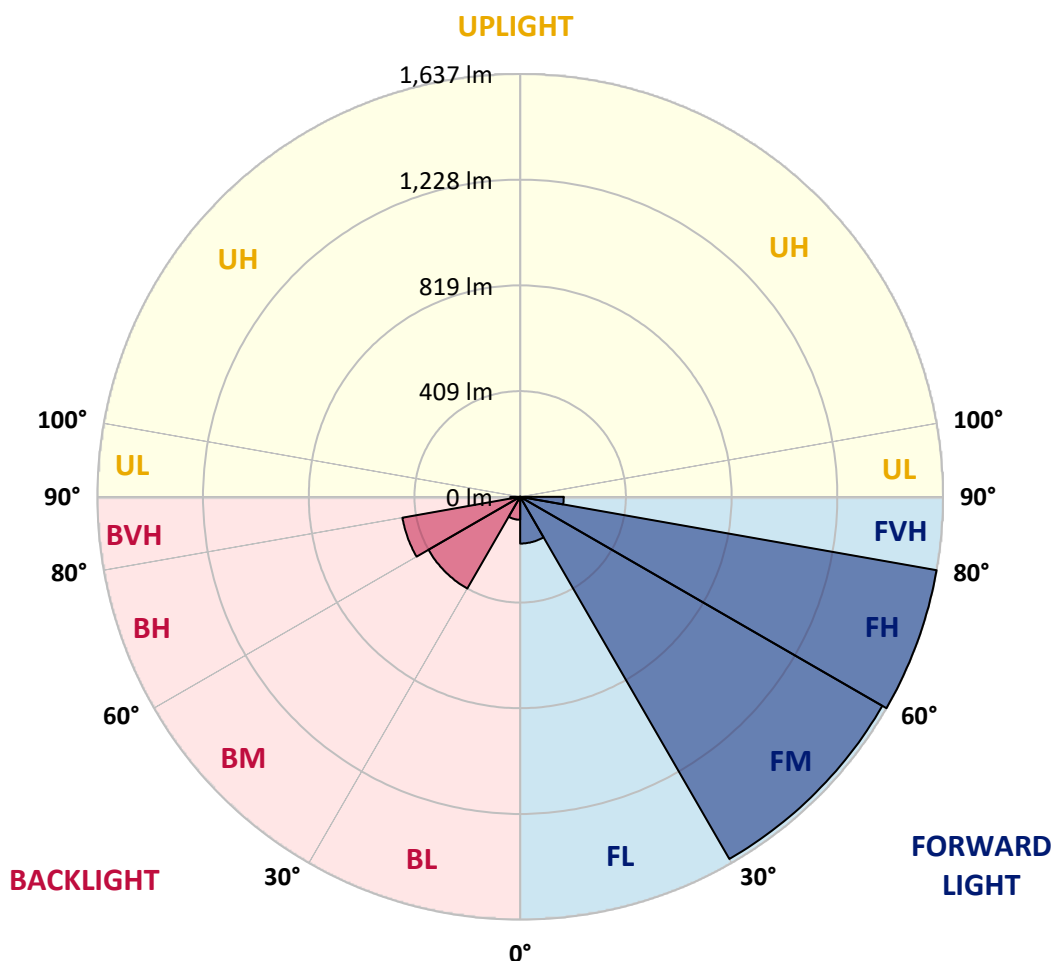
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.9	3.9			
FM	(30°-60°)	1619.4	35.2			
FH	(60°-80°)	1637.4	35.5			G1/1800
FVH	(80°-90°)	168.9	3.7			G2/225
BL	(0°-30°)	88.9	1.9	B0/110		
BM	(30°-60°)	410.2	8.9	B1/1000		
BH	(60°-80°)	463.1	10.1	B1/500		G1/500
BVH	(80°-90°)	38.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	241.7	241.7	239.9	239.9	238.1	234.5	232.8	227.4	227.4	223.9	220.3
5°	261.2	261.2	261.2	259.4	257.6	254.1	250.5	243.4	243.4	236.3	231.0
7.5°	279.0	279.0	277.2	277.2	273.6	271.9	268.3	259.4	259.4	250.5	239.9
10°	303.8	302.1	300.3	298.5	295.0	289.6	286.1	277.2	275.4	264.7	252.3
12.5°	326.9	326.9	326.9	325.2	321.6	314.5	305.6	295.0	295.0	280.7	264.7
15°	353.6	351.8	351.8	350.0	348.3	342.9	330.5	318.1	316.3	302.1	280.7
17.5°	394.5	392.7	389.1	382.0	376.7	373.1	362.5	341.2	341.2	325.2	302.1
20°	444.2	442.4	437.1	430.0	417.6	406.9	398.0	373.1	369.6	351.8	323.4
22.5°	508.2	504.6	497.5	488.6	478.0	454.9	438.9	414.0	406.9	382.0	350.0
25°	597.0	593.5	579.2	552.6	534.8	520.6	488.6	463.8	456.6	419.3	382.0
27.5°	673.4	671.6	664.5	648.5	611.2	591.7	554.4	524.2	517.1	467.3	419.3
30°	788.9	783.6	765.8	746.3	728.5	685.9	650.3	597.0	589.9	529.5	467.3
32.5°	995.0	984.4	952.4	893.8	865.3	815.6	776.5	696.5	684.1	613.0	527.7
35°	1247.3	1234.9	1176.3	1091.0	1009.2	973.7	906.2	828.0	806.7	717.8	600.6
37.5°	1368.2	1361.1	1320.2	1243.8	1165.6	1112.3	1053.7	980.8	955.9	842.2	685.9
40°	1446.3	1444.6	1410.8	1350.4	1298.9	1238.5	1206.5	1139.0	1114.1	980.8	792.5
42.5°	1497.9	1496.1	1476.6	1423.2	1401.9	1361.1	1343.3	1282.9	1263.3	1124.7	908.0
45°	1512.1	1506.8	1497.9	1494.3	1467.7	1474.8	1474.8	1410.8	1398.4	1266.9	1035.9
47.5°	1561.8	1556.5	1519.2	1510.3	1526.3	1574.3	1590.3	1545.9	1537.0	1398.4	1153.2
50°	1558.3	1558.3	1560.1	1522.8	1586.7	1638.2	1679.1	1668.5	1661.3	1519.2	1277.5
52.5°	1584.9	1579.6	1554.7	1574.3	1604.5	1691.6	1762.6	1766.2	1768.0	1634.7	1391.3
55°	1766.2	1766.2	1711.1	1663.1	1707.5	1817.7	1901.2	1883.5	1879.9	1753.7	1501.4
57.5°	1844.4	1837.3	1796.4	1744.9	1814.2	1951.0	2055.8	2032.7	2022.0	1878.1	1606.3
60°	1814.2	1803.5	1782.2	1759.1	1847.9	2011.4	2166.0	2174.9	2166.0	1991.8	1707.5
62.5°	1789.3	1780.4	1728.9	1728.9	1817.7	2020.3	2213.9	2269.0	2260.1	2084.2	1792.8
64°	1743.1	1734.2	1693.3	1680.9	1780.4	2000.7	2217.5	2290.3	2286.8	2125.1	1830.1
65°	1682.7	1680.9	1657.8	1641.8	1752.0	1979.4	2206.8	2288.6	2288.6	2141.1	1842.6
67.5°	1524.5	1515.6	1542.3	1538.7	1666.7	1906.5	2142.9	2249.5	2247.7	2134.0	1839.0
70°	1373.5	1366.4	1389.5	1414.4	1551.2	1783.9	2029.2	2141.1	2139.3	2052.3	1778.6
72.5°	1222.5	1231.4	1236.7	1265.1	1389.5	1618.7	1856.8	1972.3	1968.7	1897.7	1657.8
75°	1078.5	1067.9	1073.2	1085.6	1204.7	1416.1	1634.7	1739.5	1737.7	1677.3	1467.7
77.5°	895.5	890.2	892.0	890.2	1003.9	1181.6	1361.1	1451.7	1449.9	1393.0	1208.3
80°	700.1	687.6	689.4	680.5	776.5	913.3	1046.6	1110.5	1099.9	1055.4	899.1
82.5°	485.1	470.9	467.3	456.6	533.1	620.1	693.0	717.8	705.4	664.5	549.0
85°	209.7	190.1	216.8	216.8	239.9	261.2	277.2	271.9	264.7	247.0	184.8
87.5°	0.0	0.0	0.0	0.0	1.8	0.0	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	220.3	218.6	215.0	213.2	211.4	209.7	207.9	206.1	206.1	206.1	204.3
5°	227.4	223.9	218.6	213.2	209.7	204.3	200.8	197.2	195.5	193.7	193.7
7.5°	234.5	231.0	222.1	215.0	206.1	199.0	191.9	188.3	184.8	183.0	183.0
10°	245.2	239.9	227.4	216.8	204.3	195.5	186.6	181.2	177.7	177.7	175.9
12.5°	255.9	248.8	236.3	220.3	204.3	193.7	184.8	177.7	172.4	170.6	170.6
15°	271.9	263.0	245.2	225.7	207.9	193.7	181.2	170.6	165.2	161.7	161.7
17.5°	287.8	277.2	255.9	232.8	213.2	193.7	177.7	167.0	159.9	156.4	156.4
20°	307.4	295.0	268.3	241.7	218.6	193.7	175.9	163.5	154.6	151.0	151.0
22.5°	330.5	314.5	282.5	250.5	222.1	195.5	175.9	159.9	149.3	143.9	143.9
25°	357.1	337.6	298.5	263.0	227.4	199.0	174.1	154.6	143.9	138.6	138.6
27.5°	389.1	367.8	316.3	275.4	234.5	202.6	172.4	152.8	140.4	133.3	133.3
30°	426.4	399.8	339.4	289.6	243.4	204.3	174.1	151.0	136.8	129.7	127.9
32.5°	476.2	440.7	366.0	305.6	254.1	207.9	174.1	147.5	133.3	126.2	126.2
35°	536.6	490.4	398.0	323.4	263.0	213.2	174.1	147.5	129.7	122.6	120.8
37.5°	611.2	549.0	437.1	344.7	275.4	218.6	174.1	145.7	126.2	119.0	117.3
40°	700.1	620.1	479.7	369.6	287.8	223.9	177.7	143.9	126.2	117.3	117.3
42.5°	799.6	705.4	533.1	401.6	305.6	232.8	179.5	143.9	124.4	113.7	113.7
45°	908.0	799.6	595.2	440.7	326.9	241.7	181.2	145.7	120.8	111.9	110.2
47.5°	1027.0	899.1	664.5	479.7	346.5	252.3	184.8	143.9	119.0	110.2	108.4
50°	1137.2	1003.9	740.9	524.2	369.6	261.2	188.3	142.1	117.3	108.4	106.6
52.5°	1243.8	1105.2	819.1	572.1	394.5	273.6	191.9	142.1	115.5	104.8	103.1
55°	1345.1	1199.4	895.5	621.9	422.9	286.1	195.5	142.1	113.7	103.1	101.3
57.5°	1437.5	1288.2	966.6	673.4	453.1	298.5	197.2	140.4	111.9	99.5	97.7
60°	1533.4	1375.3	1030.6	721.4	481.5	309.2	199.0	138.6	106.6	95.9	94.2
62.5°	1615.1	1448.1	1085.6	760.5	497.5	312.7	197.2	133.3	101.3	88.8	87.1
64°	1652.5	1476.6	1112.3	776.5	504.6	312.7	195.5	129.7	95.9	85.3	83.5
65°	1666.7	1490.8	1123.0	783.6	508.2	312.7	191.9	127.9	92.4	83.5	81.7
67.5°	1672.0	1496.1	1130.1	787.1	504.6	305.6	183.0	119.0	78.2	74.6	72.9
70°	1622.3	1451.7	1096.3	762.3	483.3	287.8	170.6	106.6	65.7	62.2	64.0
72.5°	1510.3	1352.2	1023.5	705.4	444.2	261.2	151.0	92.4	55.1	53.3	55.1
75°	1329.1	1186.9	897.3	614.8	385.6	225.7	127.9	72.9	42.6	44.4	46.2
77.5°	1101.6	979.0	726.7	494.0	305.6	175.9	97.7	49.8	32.0	35.5	35.5
80°	806.7	710.7	520.6	344.7	211.4	117.3	60.4	30.2	21.3	24.9	24.9
82.5°	481.5	414.0	295.0	191.9	113.7	56.9	26.7	12.4	10.7	14.2	14.2
85°	170.6	140.4	90.6	53.3	28.4	12.4	5.3	1.8	1.8	0.0	0.0
87.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)